Metal Primer

PRIMER **PRODUCT OVERVIEW**

Product description

A water-based, solvent-free primer designed to protect interior and exterior iron and steel surfaces against rust. Made with a bio-based binder, it provides excellent adhesion and creates a durable base for subsequent coats of Edward Bulmer Water-Based Eggshell or Gloss.

Product benefits

- Water-based and solvent-free
- Bio-based binder
- Low VOC (≤1g/L)
- Excellent adhesion
- Helps protect against rust
- Easy to apply
- Good flow and low dripping
- Suitable for interior and exterior use
- Free from titanium dioxide

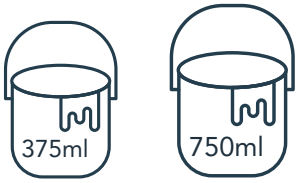
Ingredients

Water, bio-based binder, mineral fillers, mineral pigments, silicates, cellulose, surfactants made from rapeseed oil and castor oil, xanthan gum, liquid ammonia, benzisothiazolinone and sodium pyrithione.

Suitable for

✓ Interior iron and steel
✓ Exterior iron and steel
✓ Untreated, thoroughly derusted metal

Available sizes



Coverage

Average coverage 10–12.5m² per litre per coat*

350ml = **3.5–4.4m²**
750ml = **7.5–9.4m²**

*Coverage varies depending on substrate condition, surface quality and application method.

Drying time

Dust dry **after 2 hours**

Recoat **after 4-6 hours**

Fully cured **after 24 hours**

These times are calculated on 23°C room temperature and 50% relative humidity. High humidity may extend drying times.

Product Specifics

Colour: Reddish brown

VOC Content: <0.1g per litre
(EU limit for Cat A/a: 30g per litre)

Density: 1.15g/cm³

Dilution: Maximum 5% water

Temperature: Optimal: 20-23°C / Min: 10°C / Max: 30°C

Maximum Relative Humidity: 85%

Coverage: 10–12.5m² per litre

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PRIMER **PREPARATION & APPLICATION**

Surface Preparation

Suitable substrates:
Rust-free iron and steel surfaces.

General substrate requirements:
The substrate must be dry, chemically neutral, clean, rust-free, sound and able to support the coating.

Previously untreated or rusted surfaces:
Thoroughly remove all rust using a wire brush or sandpaper (60–120 grit). Remove all dust before priming. Do not use rust converters.

Previously painted surfaces:
Completely remove any loose, unstable or unsuitable coatings. Smooth any uneven edges or surface imperfections. Sand well-adhered existing coatings to a matt finish before application.

Application

Stir thoroughly before use and check the substrate for suitability and compatibility.

Apply one even coat of Rust Protection Primer to interior or exterior surfaces. Allow to dry thoroughly, then sand lightly without exposing the underlying metal.

For exterior surfaces, apply an additional coat where required. Allow to dry and sand lightly, taking care not to sand through to the substrate.

The product is ready for use but may be diluted with up to 5% water if required.

Apply only when the temperature is between 10°C and 30°C, with a maximum relative humidity of 85%. Avoid direct sunlight, moisture and dirt during application and drying.

Visit edwardbulmerpaint.co.uk for more detailed application guidance.

Brush:
Use a high-quality synthetic or mixed-fibre brush. Apply evenly, maintaining a wet edge throughout application.

Roller:
Use a short-pile finishing roller for an even application.

Spray (Guidance Only):
Suitable for high-pressure, airless and mist-reduced spraying systems. Tested with Wagner SF23Plus and pistol Vector Grip. Nozzle type: Fine Finish TT3. Nozzle size: 410, gun filter red. Spray pressure 100 bar. Test settings before full application.

Exterior Application

For exterior surfaces, an additional coat of Rust Protection Primer may be required.

Avoid exposure to moisture during application and drying. Inspect exterior coatings regularly and repair any damaged areas promptly to maintain effective protection.

Before Applying Topcoats

Allow the primer to dry thoroughly before lightly sanding and removing all dust.

Apply two coats of either our Water-Based Eggshell or Gloss finishes.

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PRIMER **CLEANING & CARE**

Cleaning

Wipe excess product from brushes, rollers and other tools immediately after use. Wash thoroughly with warm, soapy water.

Storage

Store in an airtight container in a cool, dry, frost-free environment. Unopened containers stored at 18°C have a shelf life of 24 months from the date of production.

Maintenance & Touch-Ups

Inspect coated surfaces regularly and repair any damaged areas promptly to maintain long-term protection.

Remove any rust or unstable coatings, prepare the surface as directed above and reapply the appropriate primer and finishing coats.

Paint Container & Packaging Disposal

Completely empty containers before recycling. Dried product residues may be disposed of as dried paint or household waste. Do not pour liquid residues into drains. Dispose of liquid waste responsibly under EWC Code 080120 (paints and lacquers). Packaging material: Tinplate.

Health & Safety

Observe standard protective measures, including adequate skin protection and ventilation during application. Wear a suitable dust mask when sanding or removing rust. This product contains preservatives that may cause allergic reactions. The Safety Data Sheet for this product is available at edwardbulmerpaint.co.uk. Dispose of paint and packaging in accordance with the legal regulations. Keep out of reach of children.

PRIMER **SUPPORT & ADVICE**

For further information, please contact us.

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Disclaimer

The information on this Technical Data Sheet is correct to the best of our knowledge at the time of publishing (September, 2026). Natural Paint UK Ltd reserves the right to amend specifications without notice. Users must ensure the product's suitability for their intended application. Conditions of service and application are beyond our control; no liability whatsoever can be accepted based on the information supplied here.